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To: F. L. Steahly

From: W. K. Eister

Re: Information Transferred to Kellex - Composition of Purex Extraction Waste - Telephone Conversation with W. A. Bain, Laboratory Director

This document consists of _____
pages and _____ figures.
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CF-50-4-171
Date: April 4, 1950

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(1) Purex Waste Composition:

3 M HNO₃
0.02 M NaNO₃
0.002 M Fe⁺⁺⁺
10⁸ β c/m/ml

INV.

INV.
64

This waste will be evaporated to the saturation point of NaNO₃ (approximately 5 molar). The activity expected in the water overhead from the acid recovery column would be decontaminated by a factor of approximately 10⁶, based on the pot composition.

This waste would be available about May 1, 1950.

(2) We have an ion exchange program aimed at the separation of the fission products from the evaporator bottoms.

(3) Their information on the magnetic induction flow meters is contained in two reports: (1) KLX-1037, (2) Instrument and Mechanical Development Department Report on the Magnetic Induction Flow Meter, May, 1949, by Raynsford.

The second report is being sent to us.

They are discussing with AEC whether these flow meters will be built.

Classification Cancelled

cc: FRBruce
JODavis
DGREid
FLCuller
WKEister

By Authority Of _____

By _____

Date AUG 31 1971

This document has been approved for release
to the public by:

Daniel H. Humm 8/25/95
Technical Information Officer Date
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J. H. Morgan 4-20-95
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